



Excerpts
Joan Card
to:
Matthew Cohn, Mia Bearley
11/16/2010 02:57 PM
Cc:
Jason Christensen
Show Details

2 Attachments



image001.gif Hecla.pdf

Matt: Fyi and to the point in the voice mail I left you. We'll go back to library for a complete copy.

Joan

Joan Card
Environmental Regulatory Affairs Manager
Park City Municipal Corporation
445 Marsac Ave
P.O. Box 1480
Park City, UT 84060-1480

T. (435) 615-5153
F. (435) 615-4901
E. Joan.Card@parkcity.org



****Protected**** **This message is intended only for the use of the individual(s) to whom it is addressed, and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this message is not an intended recipient, or the employer or agent responsible for delivering the message to an intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify me and purge the communication immediately.**

**UNIVERSITY OF UTAH J. WILLARD MARRIOTT LIBRARY
MANUSCRIPTS DIVISION PHOTOCOPY ORDER FORM**

The Manuscripts Division has new photocopy charges: all copies are \$.25 each, whether normal manuscript materials, or large-size paper, or mail requests, or bound material. For large orders of photocopies the charge is \$.25 for the first 200 copies, and then for all additional copies the cost is \$.50 per page. *There may be a delay in getting photocopy orders completed on time.* Normally, photocopy orders will be ready within forty-eight (48) six hours, except for large orders which will require more time. All orders for photocopying must be paid at the Reserve / ILL / ARC Desk on the 2nd Floor, South East entrance.

Name Jason Christensen
Address 9167 2nd Ave Unit B
SLC ZIP UT 84103
Date 3/19/10 Telephone (801)-367-4242
Collection Name, and Manuscript or Accession Number
Roy P. Full Papers Accession 1688
List Boxes and Folders having pages to be copied
Carton 17, Folder 5, pg 11; pg 12; pg 13

Total Number of Pages to be copied 4
Subtotal of photocopies at \$.25 per copy 1.00
Postage and Handling for mailed copies \$10.00
Utah Sales Tax (6.6%) _____
TOTAL Due _____

Spec. Coll. Staff member taking order _____
Paid to Cashier at Duplication Center Desk _____
Full-time Manuscripts Approval _____

NOTE: For many of our finding aids for manuscripts, we have an electronic version. If so, we can attach the entire listing to the patron's email, at no charge.

WARNING CONCERNING COPYRIGHT RESTRICTIONS

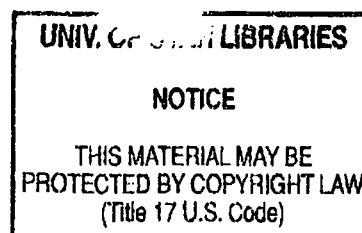
The Copyright law of the United States (Title 17, United States Code) governs the making of photocopies or other reproductions of copyrighted material.

Under certain conditions specified in the law, libraries and archives are authorized to furnish a photocopy or other reproduction. One of these specified conditions is that the photocopy or reproduction is not to be "used for any purpose other than private study, scholarship, or research." If a user makes a request for, or later uses, a photocopy or reproduction for purposes in excess of "fair use," that user may be liable for copyright infringement.

This institution reserves the right to refuse to accept a copying order if, in its judgment, fulfillment of the order would involve violation of copyright law.

LIST OF MAPS IN FOLIO

- 1 Property Map, Park City Mining District, Scale 1"=1000'
- 2 Geology Map, Park City Mining District, Scale 1"=1000'
- 3 Surface Geology Map, United Park City Mines Area, Scale 1"=400'
- 4 Composite Plan, United Park City Mines Area, Scale 1"=400'
- 5 Stope Map, United Park City Mines Area, Scale 1"=400'
- 6 Geology Plan at \pm 8450 Feet Elevation, United Park City Mines Area, Scale 1"=400'
- 7 Geology Plan at \pm 7950 Feet Elevation, United Park City Mines Area, Scale 1"=400'
- 8 Geology Plan at \pm 7650 Feet Elevation, United Park City Mines Area, Scale 1"=400'
- 9 Geology Plan at \pm 7450 Feet Elevation, United Park City Mines Area, Scale 1"=400'
- 10 Geology Plan at \pm 7350 Feet Elevation, United Park City Mines Area, Scale 1"=400'
- 11 Geology Plan at \pm 7250 Feet Elevation, United Park City Mines Area, Scale 1"=400'
- 12 Geology Plan at \pm 7150 Feet Elevation, United Park City Mines Area, Scale 1"=400'
- 13 Geology Plan at \pm 7050 Feet Elevation, United Park City Mines Area, Scale 1"=400'
- 14 Geology Plan at \pm 6850 Feet Elevation, United Park City Mines Area, Scale 1"=400'
- 15 Geology Plan at \pm 6550 Feet Elevation, United Park City Mines Area, Scale 1"=400'
- 16 Geology Plan at \pm 6350 Feet Elevation, United Park City Mines Area, Scale 1"=400'
- 17 Geology Plan at \pm 6150 Feet Elevation, United Park City Mines Area, Scale 1"=400'



and consulted in this compilation, but have not been included in the report in the interest of brevity.

During the progress of this investigation, considerable planning was done by the Hecla staff with regard to more efficient development of the property.

SUMMARY AND CONCLUSIONS

The map folio accompanying this report represents a compilation of basic data from the files of the United Park City Mines Company and other available sources. The project was undertaken as a preliminary step in the evaluation of the future exploration potential within the district and as the initial consideration by Hecla Mining Company of a possible long term operational agreement with United Park City. The termination of negotiations in January 1967 has resulted in an incomplete conclusion of the project, but the work has progressed to the extent that the broader structural objective became apparent.

Of an approximate production of \$500 million from 15.3 million tons of ore from the Park City district, 85 percent, or 13 million tons, has come from mines within the holdings of United Park City. This production has come from a number of mines, but the larger percentage has been localized along two major structural features. The Hawkeye-McHenry fault zone, within which the Park-Utah, Ontario, and Daly mines have been developed, trends generally east-west and has been developed over a vertical range of approximately 3000 feet. This zone can be correlated to the southwest through the Daly-West and Judge mines, making a total productive strike length of nearly four miles. Within this zone a variety of types of ore bodies have been mined, but all appear to owe their origin to the structural

PRODUCTION

Available production data indicate that the Park City District has produced about 15.3 million tons of ore from which approximately one million ounces of gold, 250 million ounces of silver, 1.27 million tons of lead, 0.67 million tons of zinc, and 60,000 tons of copper have been recovered. The value of this production is placed at \$500,000,000.

Approximately 85 percent of the 15.3 million tons of ore mined in the district, or 13 million tons, has come from mines which have been consolidated to form the United Park City Mines property.

The following table is a summary of the available production data on mines in the district. Some partial data on the amount and grade of ore from different ore bodies, areas, and eras have also been incorporated. These data are incomplete and the sum of the partial data does not equal the total production in any instance. In compiling the summary some inconsistencies in data from different sources were noted. In these instances the most reasonable figures, or what is believed to be the most reliable data, have been incorporated. Thus the table, as prepared, is not accurate in every detail, but it does provide a measure of production and grade from the various mines and ore bodies.

MAP FOLIO COMPILATION

In the initial stage of planning for the previously described project it was decided that much was to be gained by a detailed geologic compilation covering all of the properties of the United Park City Mines. Several similar compilations were found in the company files, but none was in sufficient detail or extent to be adequately used as a basis for evaluation of the property.

NOTICE

THIS MATERIAL MAY BE
PROTECTED BY COPYRIGHT LAW
(Title 17 U.S. Code)

SUMMARY OF PRODUCTION
PARK CITY MINING DISTRICT, UTAH

PROTECTED BY COPYRIGHT LAW
(Title 17 U.S. Code)

Mine	Period	Tons	Grade (generally based on recovered metal)					Source of Information
			Au Ozs.	Ag Ozs.	Pb %	Zn %	Cu %	
<u>United Park City Mines Property</u>								
Park Utah (Total)	1920-1951	1,238,778	0.136	17.5	4.2	5.5	0.24	Barnes
Partial Data:								
West ore body	1920-1932	1,117,778	0.13	15.0	4.6	6.2	0.2	Barnes
East ore body	1920-1932	110,000	0.09	46.0	1.2	-	0.02	Barnes
Ontario (Total)	1875-1964	2,238,594	0.018	24.9	3.7	4.7	0.09	Barnes
Partial Data:								
Era 1	1877-1904	653,494	-	57.6	-	-	-	Boutwell
Era 2	1902-1924	169,111	0.026	24.8	2.0	-	-	Barnes
Era 3	1924-1942	126,000	0.027	29.8	2.9	3.3	-	Barnes
Replacement ore	1954-Aug. 1966	925,530	0.025	5.2	6.5	9.1	0.13	Tuck
Daly (Total)	1886-1950	554,088	0.034	23.0	1.0	1.0	0.03	Barnes
Partial Data:								
Era 1	1887-1904	278,269	0.038	40.4	-	-	-	Boutwell
Era 2	1902-1924	20,103	0.03	15.0	7.5	8.5	-	Barnes
Daly West-Judge (Total)	1899-1951	4,265,346	0.018	12.0	8.7	4.7	0.37	Barnes
Partial Data:								
Daly West	1899-1905	74,775	0.189	232.0	-	-	8.0	Boutwell
Daly Judge	1903-1907	167,784	0.029	8.3	11.5	5.1	0.1	Boutwell
Replacement ore	1909-1924	--	0.026	25.3	14.1	12.1	-	Barnes
Silver King (Total)	1882-1964	4,698,609	0.043	18.3	14.2	3.5	0.49	Barnes
Partial Data:								
Crescent Zone	1882-1952	1,092,056	0.021	7.9	12.1	5.3	0.21	Barnes
Era 1	1895-1908	442,225	0.214	50.8	39.3	-	0.04	Boutwell
Replacement ore	1882-1951	3,420,000	0.024	18.5	13.5	10.7	0.50	Barnes
Grand Total United Park City Mines	1875-1964	12,995,415						
<u>Other Properties</u>								
Mayflower (Total)	1936-1964	1,645,501	0.282	6.1	5.5	6.8	0.67	Barnes
Park City Consolidated	1934-1942	532,166	0.04	16.3	0.3	1.5	-	Bell
Park City Utah	1935-1942	28,989(?)	-	-	-	-	-	Bell
New Quincy	1927-1950	55,000(?)	-	-	-	-	-	Bell
Valeo	1896-1900	10,000	0.34	12.0	-	-	29.0	Boutwell

Source:

Barnes, M. P., Ore Deposits of the Park City District, United Park City Files, to be published in AIME Graton-Sales Volume
 Bell, J. D., History and Production, Park City District, Utah, Hecla Files, part of Mayflower Examination Report, 1961
 Boutwell, J. M., Geology and Ore Deposits of the Park City District, Utah, U. S. Geol. Survey Prof. Paper No. 77, 1912
 Tuck, R., Ontario Mine Ore Reserves, United Park City Mines Company, Hecla Files, 1966